6. *Status of over-all program progress.* Contract for plant control operations was awarded in July 1973 to take advantage of last part of plant growing season. Plant control operations began in October 1973 and have been completed for this fiscal year. Surplus funds in the amount of $21,700 will be revoked.

APPENDIX E TO PART 273—PREVENTIVE SAFETY MEASURES IN HANDLING OF HERBICIDES

1. Follow the label on each container before using the contents. The manufacturers are required by law to list recommendations and precautions.

2. Weather conditions are important. Winds could carry toxic sprays and dusts to areas not under your control, causing accidental poisoning to the public or domestic animals.

3. Smoking is not permitted while herbicides are being handled.

4. All herbicides must be handled in well ventilated areas to minimize inhalation of toxic vapors.

5. Shower and washing facilities must be near herbicides mixing areas.

6. Any contamination of the skin, particularly with liquid concentrations or solutions, must be immediately washed off with detergent and water.

7. Protective clothing is used in conjunction with respiratory protective devices to prevent skin contact and inhalation of herbicides. Recommended articles of protective clothing are rubber aprons, coveralls, chemical splash goggles, safety shoes and hard hats. A lightweight water and chemical resistant throw away type protective clothing that is impervious to herbicides is now available. In warm geographical areas this type of lightweight protective clothing would be beneficial in reducing physical stress to applicators. Additional protection is afforded by protective skin cream.

8. Clothing contaminated by spillage must be removed immediately and thoroughly laundered before wearing. Special care is required to prevent contamination of the inside of gloves.

9. Approved respirators must be worn while herbicides are being mixed, and when dusts or liquids are being handled or sprayed. Care should be exercised when selecting the respirator type to insure that it is designated specifically for the substance to be used. Each canister must be labeled and approved by the Bureau of Mines or HEW (NIOSH). Filters or canisters must be changed after 8 hours use and more often if odor of the herbicide is detected. (Always have extra cartridges available when needed.)

10. Herbicide storage, mixing and formulation facilities.

a. All herbicides must be stored in a dry, well ventilated, separate room, building or covered area not accessible to authorized personnel or the public and placed under lock and key.

b. Identification signs should be placed on rooms, buildings, and fences to advise of the contents and warn of their hazardous nature.

c. Where applicable, label the outside of each storage with the "Danger," "Poison," and "Pesticide Storage" signs.

d. Fire extinguishers must be installed near door of material storage room. Diluted oil based herbicides are flammable and must be stored separate from other materials.

e. All herbicide storage, mixing and formulation areas must have adequate ventilation in order to reduce inhalation of toxic vapors. Sparkproof lighting fixtures should be installed in closed storage areas to eliminate ignition hazards.

11. Empty herbicide containers must be disposed of properly. Do not burn them. When herbicides or defoliants volatize, the resulting vapors may be poisonous to humans, and they may damage nearby plants, crops or shrubbery; also, herbicides or defoliants containing chlorates may be a serious fire hazard when heated.

12. Glass herbicide containers should be disposed of by breaking. Chop holes in top, bottom, and sides of metal containers or crush them so they cannot collect water or be reused. After breaking or puncturing them, bury the containers at least 18 inches deep in an isolated area provided for this purpose, away from water supplies or high water tables. Records to locate such buried herbicides within the landfill site should be maintained. Post warning signs.

13. Safety programs developed for the safe handling and mixing of toxic chemicals should be coordinated with the Safety Office prior to implementation.

PART 274—PEST CONTROL PROGRAM FOR CIVIL WORKS PROJECTS

PROJECT OPERATION

Sec.

AUTHORITY: Pub. L. 92–516, Federal Insecticide, Fungicide and Rodenticide Act of 1972 (86 Stat. 973, 21 Oct 72, 40 CFR part 171, Federal Certification of Pesticide Applicators.

SOURCE: 42 FR 41118, Aug. 15, 1977, unless otherwise noted.

PROJECT OPERATION

§ 274.1 Purpose.

The purpose of this regulation is to assign responsibilities and prescribe procedures concerning the use of chemicals in the Corps pest control program at all civil works projects. It also presents guidance for the preparation and submission of an annual pest control summary report.

§ 274.2 Applicability.

This regulation is applicable to all OCE elements and all field operating agencies having Civil Works responsibilities.

§ 274.3 References.

(a) Pub. L. 92–516, Federal Insecticide, Fungicide and Rodenticide Act of 1972 (86 Stat. 973), 21 October 1972.

(b) Pub. L. 91–596, Occupational Safety and Health Act of 1970 (84 Stat. 1609, 29 U.S.C. 668) 29 December 1970.

(c) Medical Surveillance Guide, U.S. Army Environmental Hygiene Agency, January 1975.

(d) Guide for the Medical Surveillance of Pest Controllers, U.S. Army Environmental Hygiene Agency, March 1976, as amended.

(e) Pesticide Applicator Training Manual, Cornell University, Ithaca, New York, September 1974.

(f) Plan for Certification of Pesticide Applicators, DOD, June 1976.

§ 274.4 Pesticide management.

(a) *Administration.* The Division Engineer is responsible for implementation of the program, and providing for the training of pest control personnel, safe use of highly toxic materials and the proper application of restricted-use pesticides. District programs will be reviewed by the Division Engineer for the selection of suitable pest control agents, up-to-date and economical methods of control, and the proper use and maintenance of pest control equipment. Field Operating Agencies (FOA) will designate a single point of contact for pesticide matters.

(b) *Personnel actions.* Pesticide duties will be identified in applicable job descriptions whether they constitute a major duty or not. Such job descriptions will also note the employees responsibility for using personal protective equipment and clothing provided and for following established health and safety practices and procedures. Standard Form 78 medical examination will be augmented by the specific diagnostic tests for the occupations identified in §274.4(c). Prescribed preplacement medical examinations will be provided as part of the personnel action process before anyone is permitted to perform pesticide duties.

(c) *Medical surveillance.* Preplacement, periodic and pretermination medical examinations of the type and extent set forth in Section III, U.S. Army Environmental Hygiene Agency (USAEHA) "Guide for the Medical Surveillance of Pest Controllers" will be provided for personnel involved in pesticide operations. Additional information is contained in USAEHA "Medical Surveillance Guide (Guide for Job-Related Examinations)." Appropriate medical records will be maintained in official personal folders.

(d) *Personnel training.* All personnel directly involved in pest control must be properly trained in the safe application of herbicides, insecticides, rodenticides, fumigants and fungicides. The current plan for training and certification of pest control personnel requires that all pest control applicators and/or supervisors satisfactorily complete (1) the correspondence course, "Basic Pest Control Technology" NTTC 150, available from NAVFAC Technical Training Command, Norfolk, Virginia 23511 and a three day (20 hr) conference training course conducted by the Army Health Services Command (AHSC) at Fort Sam Houston, Texas 78234, for Civil Works personnel, or a three day (20 hr) special training course conducted by the Division Engineer, to include information presented in the "Pesticide Applicator Training Manual", §274.3(e) or (2) a B.S. degree in agronomy, entomology, forestry or horticulture from an accredited college or university.

(e) *Restricted-use pesticide training.* For agency certification §274.3(f) Civil Works supervisors and applicators using the higher toxicity Restricted-